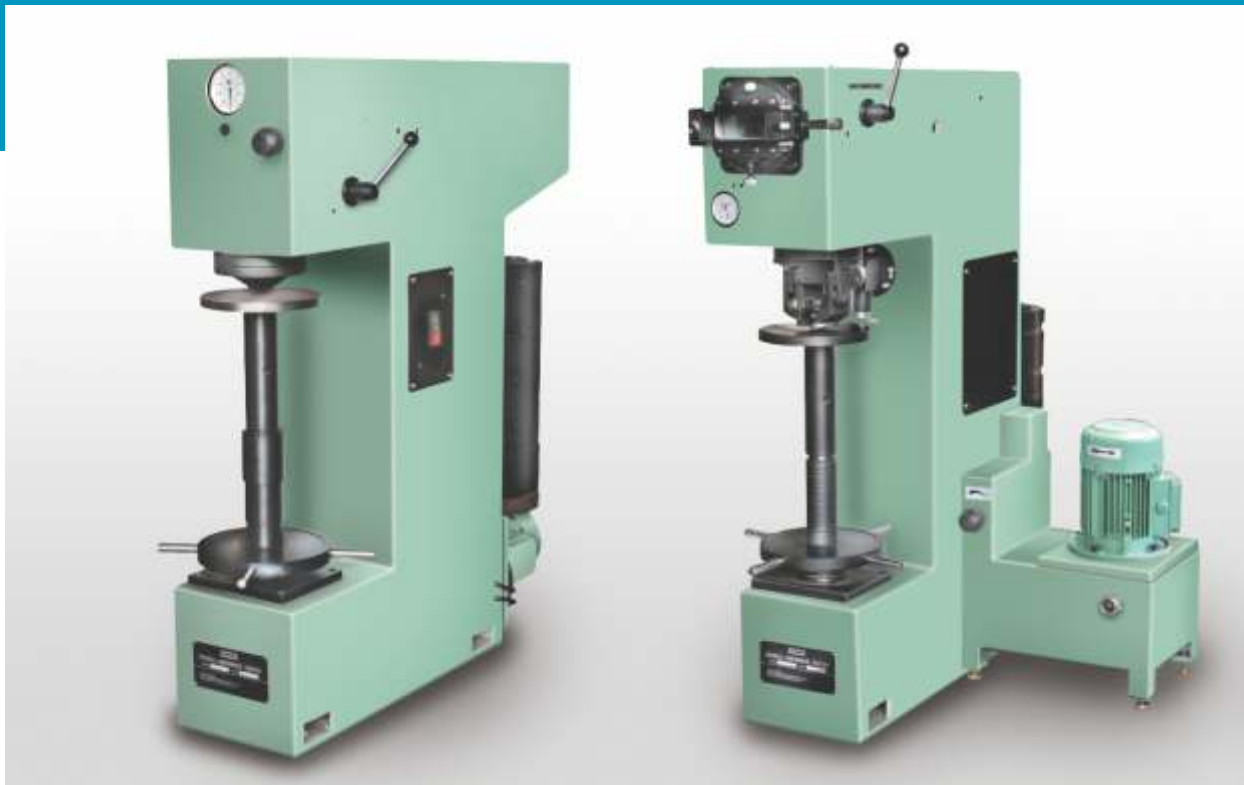


# Brinell Hardness Testers

Model : B-3000 (H), B-3000 (O)



**SAROJ**

**Saroj Engineering Udyog Pvt. Ltd.**

**Intelligent Hardness Testing Solution**

Sold And Serviced By : SUZUKI INSTRUMENTS

MOBILE : 9594084085

E-mail : [sales@simaterialtestingservices.com](mailto:sales@simaterialtestingservices.com)

SAROJ Hardness Testers, Model : B-3000 (H) & Model : B-3000 (O) are precision engineered conforming to IS:1500-2, however B-3000 (H) & Model : B-3000 (O) are most suitable for production testing.

These machines are designed to measure hardness of castings, forgings, other metals and alloys of all kinds, hard or soft, whether flat, round or irregular in shape.



B-3000 (H)



B-3000 (O)

Machine designed with a hydraulic power pack and control circuit for effortless loading unloading operation.

A dial gauge in front measure depth of ball penetration.

This facilities production testing within tolerance limits by compression method.

#### Technical Data :

| MODEL  |         | B-3000 (H)                   | B-3000 (O)  |
|--|---------|------------------------------|---|
| Loads  | kgf     | 250 to 3000 in stages of 250 | 250 to 3000 in stages of 250                          |
| Initial Load                                       | kgf     | 250                          | NIL   |
| Max. test height                                   | mm      | 410                          | 380   |
| Depth of throat                                    | mm      | 200                          | 200   |
| Max. depth of elevating screw below base (approx.) | mm      | 180                          | 180   |
| Machine height (approx.)                           | mm      | 1127                         | 1185  |
| Net weight (approx.)                               | kg.     | 450                          | 500   |
| Drive Motor  | HP      | 0.33                         | 0.33  |
| Mains Supply                                       | V/cy/ph | 415/50/3                     | 415/50/3  |
| Optical Device                                     |         | NIL                          | Direct reading optical device with 14 x magnification |

Basic machine design & operation similar to B-3000 (H). In addition 'Optical Device' with 14 x magnification provided in front of project dia of ball impression on glass screen with a micrometer measuring system with 0.01mm accuracy. The indenter swivels & projects dia of ball impression immediately after unloading operation which avoids additional time for measurement of ball impression.

#### Standard Accessories :

| MODEL   | B-3000 (H) | B-3000 (O) |
|---|------------|------------|
| Testing table 200 mm dia  | 1 pc.      | 1 pc.      |
| Testing table 70 mm dia with 'V' groove for round jobs - 10 to 80 mm dia. | 1 pc.      | 1 pc.      |
| Ball holder 5 mm  | 1 pc.      | 1 pc.      |
| Ball holder 10 mm   | 1 pc.      | 1 pc.      |
| Test Block HB-5/750   | 1 pc.      | 1 pc.      |
| Test Block HB - 10/3000   | 1 pc.      | 1 pc.      |
| Brinell Microscope  | 1 pc.      | NIL        |
| Allen Spanner   | 7 pcs.     | 7 pcs.     |
| Telescopic cover for - elevating screw protection                         | 1 set      | 1 set      |
| Instruction manual  | 1 Book     | 1 Book     |

Due to continuous improvement of the product, SAROJ reserves all rights to change the above specifications without any prior notice.